

## Claims

1. Method for reversible fixing of a tool to an end of an implantable element,  
when fitting a dental prosthesis, characterized in that it successively comprises:

- reversible fixing of a hollow intermediate connecting part (9, 22) onto an external complementary part of the tool (15, 18, 28, 36),
- positioning of the tool (15, 18, 28, 36) equipped with the intermediate connecting part (9, 22) on the end of the implantable element (13, 25, 30, 38) until the intermediate connecting part (9, 22) clips onto an external complementary part of the implantable element (13, 25, 30, 38).

2. Device for implementation of a method for reversible fixing according to claim 1, characterized in that it comprises a hollow intermediate connecting part (9, 22) comprising fixing means for fixing the connecting part in reversible manner onto an external complementary part of the tool, and clipping means designed to clip into an external complementary part of the implantable element (13, 25, 30, 38), so as to enable reversible fixing of different types of tools (15, 18, 28, 36) in different types of implantable elements (13, 25, 30, 38).

3. Device according to claim 2, characterized in that the fixing means comprise at least one groove (12) formed in the internal wall of the connecting part (9, 22) and designed to cooperate by clipping with a salient peripheral rib (17) on the tool (15, 18, 28, 36).

4. Device according to claim 3, characterized in that the groove (12) is delimited by at least one rim (11) arranged at one end of the connecting part (9), said rim

(11) being designed to cooperate by clipping with an external groove (14) formed at the end of the implantable element (13).

5        5. Device according to claim 3, characterized in that the clipping means comprise a second groove formed in the internal wall of the connecting part and designed to cooperate with an external rib formed at the end of the implantable element (25, 30, 38).

10       6. Device according to claim 2, characterized in that the fixing means comprise screwing means.

7. Device according to any one of the claims 2 to 6, characterized in that the intermediate connecting part (9, 22) is made of plastic.

15       8. Device according to any one of the claims 2 to 6, characterized in that the intermediate connecting part (9, 22) is made of metal and that it comprises slots (39) designed to make it deformable.

20       9. Device according to claim 8, characterized in that the slots (39) are T-shaped.

10. Device according to claim 8, characterized in that the slots (39) are parallel to the axis (A1) of the connecting part.

25       11. Device according to claim 8, characterized in that the slots (39) are oblique with respect to the axis (A1) of the connecting part.

12. Device according to any one of the claims 2 to 6, characterized in that the intermediate connecting part (9, 22) comprises a metal part and a plastic part.

13. Device according to any one of the claims 2 to 12, characterized in that the connecting part comprises an opening passing through the surface thereof in a direction parallel to the axis (A1).

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14. Device according to any one of the claims 2 to 13, characterized in that the connecting part (9, 22) comprises spigots (40) salient towards the inside of the part.

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15. Device according to any one of the claims 2 to 14, characterized in that the implantable element is chosen from the group comprising a dental implant (13, 25), an intermediate pillar (30) and a die (38).

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16. Device according to any one of the claims 2 to 15, characterized in that the tool is a placing tool (15, 28) for placing the implantable element.

17. Device according to any one of the claims 2 to 15, characterized in that the tool is a transfer part (18, 36).